

INVITATION FOR QUOTATION

TEQIP-II/2015/NITECR/Shopping/92

31-Jul-2015

To,

Sub: Invitation for Quotations for supply of Goods

Dear Sir,

1. You are invited to submit your most competitive quotation for the following goods with item wise detailed specifications given at Annexure I,

Sr. No	Brief Description	Quantity	Delivery Period(In days)	Place of Delivery	Installation Requirement (if any)
1	Static VAR Compensation- thyristor Controlled Series Capacitor	1	60	Department of Electrical Engineering, National Institute of Technology , Raipur	yes

2. Government of India has received a credit from the International Development Association (IDA) towards the cost of the **Technical Education Quality Improvement Programme[TEQIP]-Phase II** Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.
3. Quotation,
 - 3.1 The contract shall be for the full quantity as described above.
 - 3.2 Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
 - 3.3 All duties and other levies payable by the supplier under the contract shall be included in the unit price.
 - 3.4 Applicable taxes shall be quoted separately for all items.

3.5 The prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.

3.6 The Prices should be quoted in Indian Rupees only.

4. Each bidder shall submit only one quotation.

5. Quotation shall remain valid for a period not less than **55** days after the last date of quotation submission.

6. Evaluation of Quotations,

The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which

6.1 are properly signed ; and

6.2 Confirm to the terms and conditions, and specifications.

6.3 The Tenderer / Bidder need to submit the following certificates along with the quotation to

- * Confirm their eligibility:

- * Proof of establishment of Firms/shop/business/manufacturing unit etc. and Dealership certificate from the principals etc.

- * A valid Sales Tax/Commercial Tax/Service Tax certificate should be enclosed

7. The Quotations would be evaluated for all items together.

8. Award of contract:

The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

8.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.

8.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.

9. Payment shall be made in Indian Rupees as follows:

Delivery and Installation - 0% of total cost

Satisfactory Acceptance - 100% of total cost

10. All supplied items are under warranty of **12** months from the date of successful acceptance of items.
11. You are requested to provide your offer latest by **15:00** hours on **27-Aug-2015** .
12. Detailed specifications of the items are at Annexure I.
13. Training Clause (if any) **yes**
14. Testing/Installation Clause (if any) **yes**
15. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
16. Sealed quotation to be submitted/ delivered at the address mentioned below,
National Institute of Technology (Formerly Engineering College, Raipur) Raipur – 492 010
(Chhattishgarh)
17. We look forward to receiving your quotation and thank you for your interest in this project.

REGISTRAR

NIT RAIPUR

Annexure I

Sr. No	Item Name	Specifications
1	Static VAR Compensation- Thyristor Controlled Series Capacitor	STATIC VAR – THYRISTOR CONTROLLED SERIES COMPENSATION TRAINER/KIT CONSISTS OF i. Generating Station Module ii. Thyristor-controlled series compensator (TCSC- a typical series FACTS controller) composed of a series capacitance which has a parallel branch including a thyristor-controlled reactor. TCSC should provide reactive power compensation for varying the reactance of the transmission line. TCSC should operate in different modes depending on when the thyristor for the inductive branch are triggered. The modes of operation are as listed: • Blocking mode: Thyristor valve is always off, opening inductive branch, and effectively causing the TCSC to operate as FSC • Bypass mode: Thyristor valve is always on, causing TCSC to operate as capacitor and inductor in parallel, reducing current through TCSC • Capacitive boost mode: Forward voltage thyristor valve is triggered slightly before capacitor voltage crosses zero to allow current to flow through inductive branch, adding to capacitive current. • TCSC should provide 75% capacitive compensation of the total 3 phase line reactance. • SCR power circuit components to meet the above requirements. • Inbuilt controller board for controlling the firing angle 0-90° or 90-180° as per the reference of voltage waveform is taken. iii. 3Φ Artificial Transmission Line of 180 Km long. The line should have 18 pi section of 10km each so that different types of fault at every 10km length can be created by fault breakers. iv. Three phase fault breaker/creator to create different types of fault e.g. LG, LL, LLG, LLL, LLLG at step of 10 km in total line length of 180km (i.e. 18 pi line sections). v. RLC Load setup (Distributed Load System): – 3 Nos.variable Resistive Load 0-250Wwith Selector Switch 2 Nos. Inductive Load 1 HP 3Φ Induction Motor with Mechanical Load.

		<i>vi.</i> 2 Nos. of Digital multifunction meters are provided to measure various electrical Parameters of transmission line <i>vii.</i> 4 Pole miniature circuit breaker and fuses for protection. Pilot lamp indications to represent healthy source <i>viii.</i> External connector terminals for performing external experimental Connection. <i>ix.</i> One Desktop computer I7 processor with 4GB RAM. <i>x.</i> Interface cards to export the measured electrical parameters of transmission line to PC. A detailed manual should be provided which describes the connection of experimental Procedures.
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FORMAT FOR QUOTATION SUBMISSION

(In letterhead of the supplier with seal)

Date: _____

To:

Sl. No.	Description of goods (with full Specifications)	Qty.	Unit	Quoted Unit rate in Rs. (Including Ex Factory price, excise duty, packing and forwarding, transportation, insurance, other local costs incidental to delivery and warranty/ guaranty commitments)	Total Price (A)	Sales tax and other taxes payable	
						In %	In figures (B)
Total Cost							

Gross Total Cost (A+B): Rs. _____

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. ————— (Amount in figures) (Rupees —————amount in words) within the period specified in the Invitation for Quotations.

We confirm that the normal commercial warranty/ guarantee of ————— months shall apply to the offered items and we also confirm to agree with terms and conditions as mentioned in the Invitation Letter.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Signature of Supplier

Name: _____

Address: _____

Contact No: _____